

## ABSTRACT OF THE INVENTION

Assay-guided affinity fractionation and reverse phase high pressure liquid chromatography (HPLC) methodology to isolate, test and characterize the most active water-soluble ingredients within Cat's Claw , or *Uncaria tomentos*. These components 5 appear to account for the majority of the amyloid or A $\beta$  fibrillogenesis inhibitory activity. Individual fractions and/or compounds as isolated by HPLC are tested in relevant *in vitro* and/or animal models, and found to consistently demonstrate inhibition of amyloid or A $\beta$  fibrillogenesis. Related extraction methods are disclosed.

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